

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000386.D
 Acq On : 23 Oct 2019 17:09
 Operator : SY/MD
 Sample : K5494-08RE
 Misc : 6.57G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 24 04:47:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	182950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	306610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	255813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	107342	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	101141	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
35) Dibromofluoromethane	7.73	113	88546	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
50) Toluene-d8	10.18	98	352020	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.48	95	106960	39.57	ug/l	0.00
Spiked Amount			Recovery	=	79.14%	

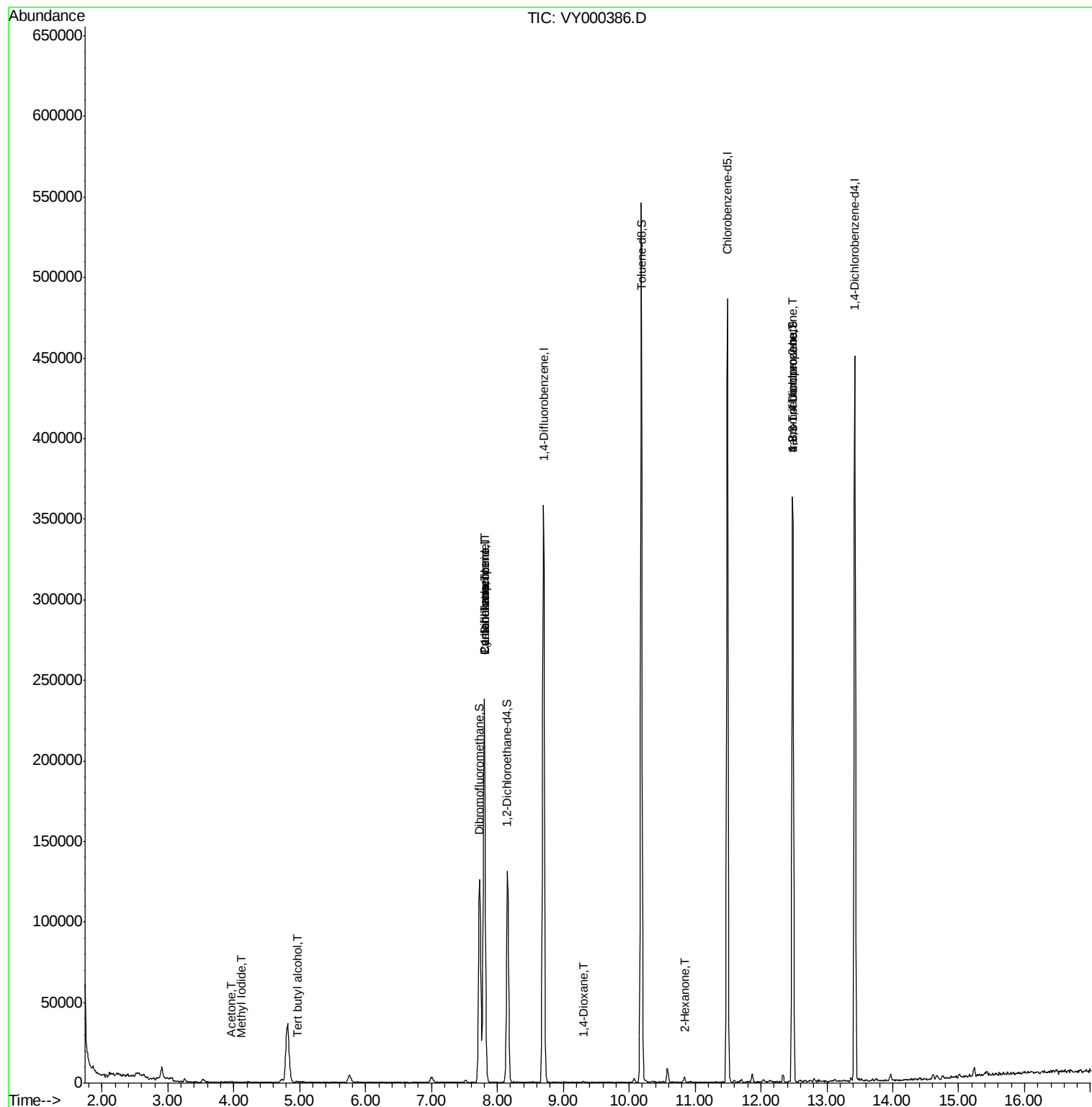
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	94	Below Cal	#	41
10) Methyl Iodide	4.11	142	257	1.280	ug/l #	41
11) Tert butyl alcohol	4.97	59	528	2.614	ug/l #	73
16) Acetone	3.96	43	984	1.574	ug/l #	42
20) Methylene Chloride	4.72	84	585	Below Cal	#	46
31) Cyclohexane	7.80	56	3843	1.041	ug/l #	34
36) 1,1-Dichloropropene	7.80	75	14561	4.851	ug/l #	49
38) Carbon Tetrachloride	7.80	117	18109	6.230	ug/l #	16
49) 1,4-Dioxane	9.30	88	101	5.660	ug/l #	36
59) 2-Hexanone	10.84	43	2125	1.737	ug/l	94
76) 1,2,3-Trichloropropane	12.48	75	57682	43.700	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	57682	95.615	ug/l #	14

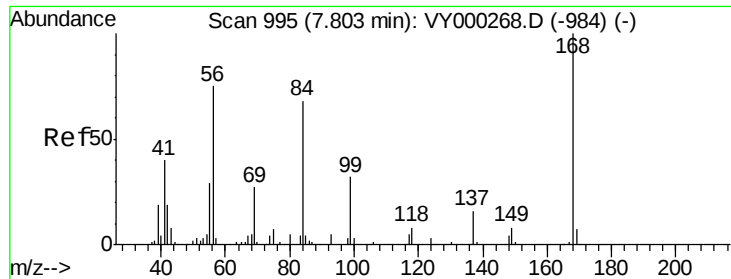
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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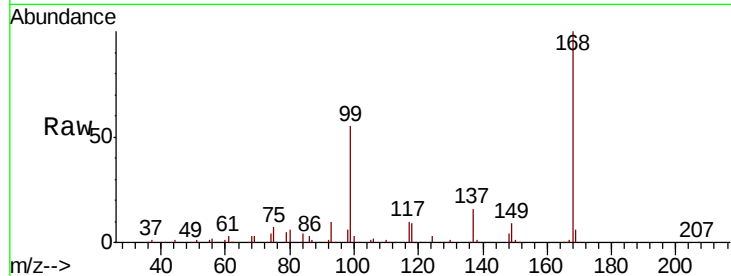


#1

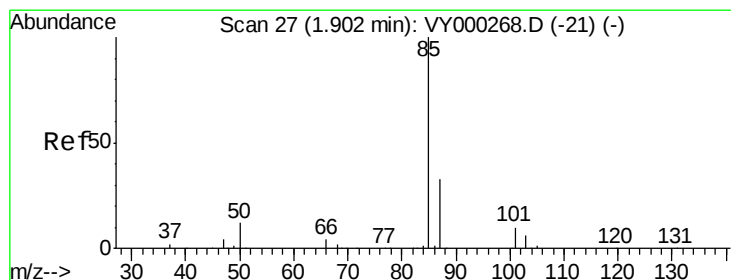
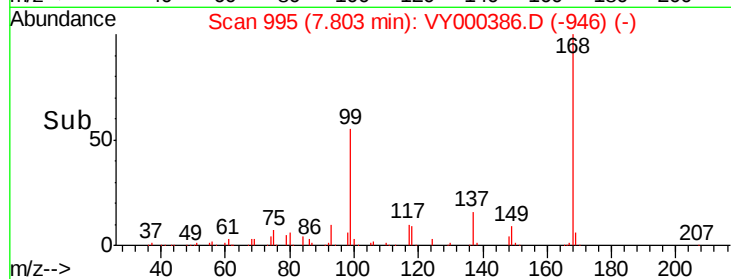
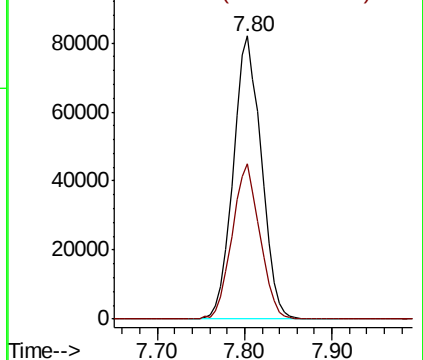
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VY000386.D
 Acq: 23 Oct 2019 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:168 Resp: 182950
 Ion Ratio Lower Upper
 168 100
 99 54.7 46.6 69.8



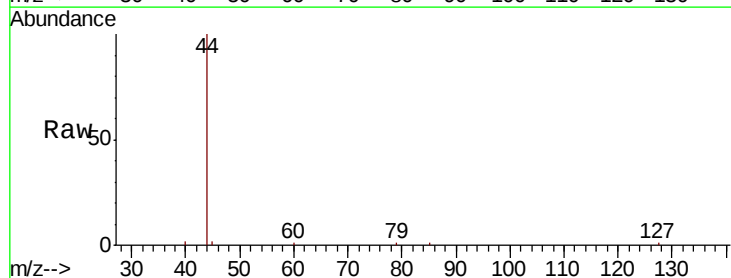
Abundance Ion 167.90 (167.60 to 168.60): VY000386.D (-946) (-)
 Ion 98.90 (98.60 to 99.60): VY000386.D (-946) (-)



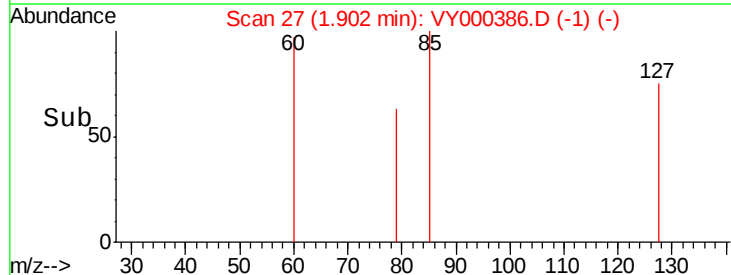
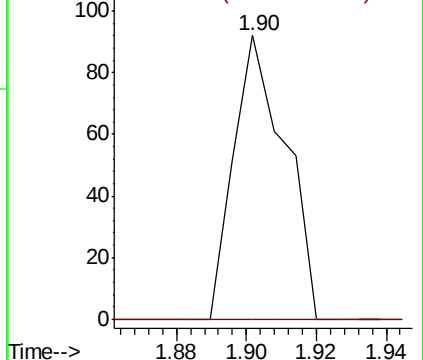
#2

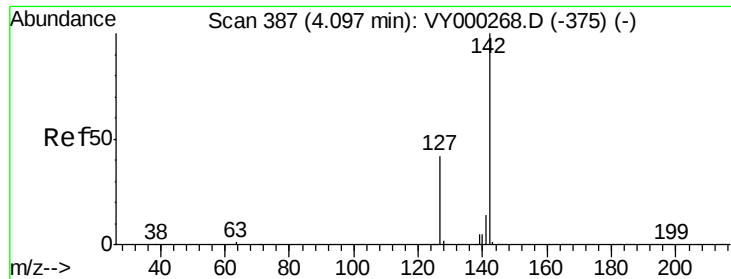
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.90 min Scan# 27
 Delta R.T. 0.00 min
 Lab File: VY000386.D
 Acq: 23 Oct 2019 17:09

Tgt Ion: 85 Resp: 94
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000386.D (-1) (-)
 Ion 86.90 (86.60 to 87.60): VY000386.D (-1) (-)

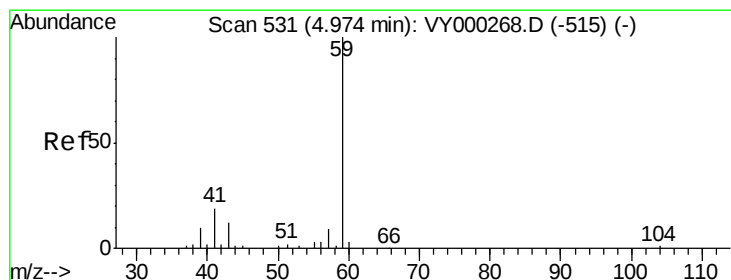
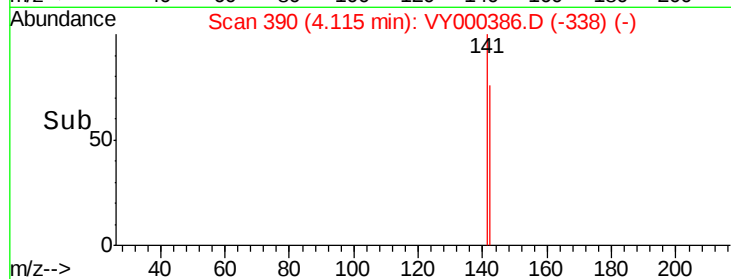
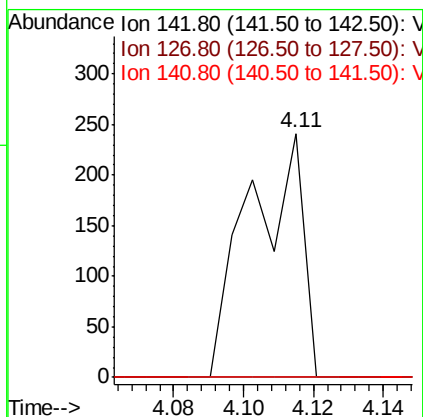
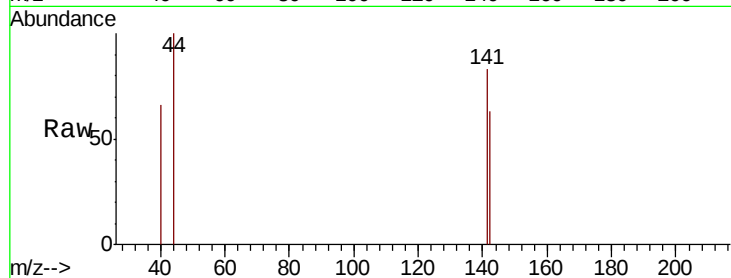




#10
Methyl Iodide
Concen: 1.280 ug/l
RT: 4.11 min Scan# 390
Delta R.T. 0.02 min
Lab File: VY000386.D
Acq: 23 Oct 2019 17:09

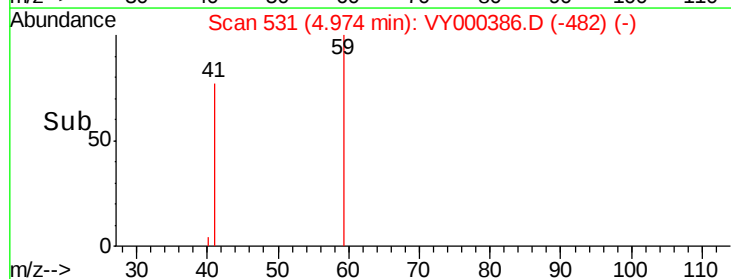
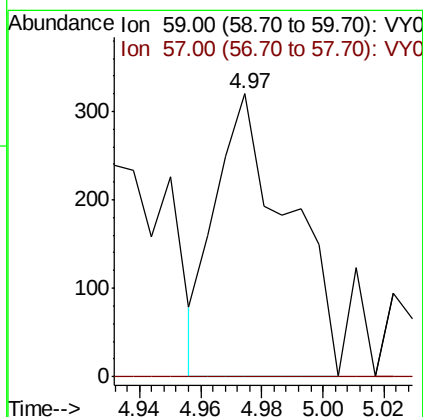
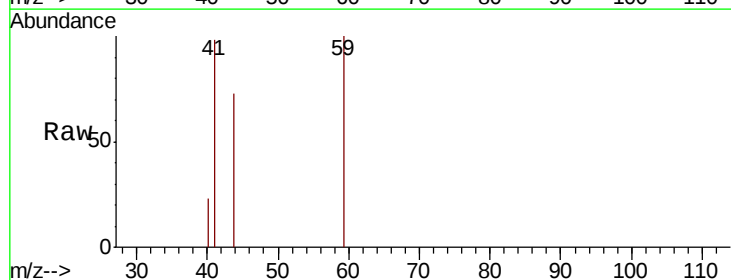
Instrument :
MSVOA_Y
ClientSampled :

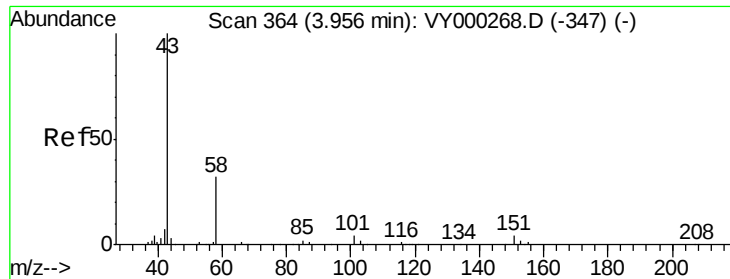
Tot Ion:142 Resp: 257
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 2.614 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000386.D
Acq: 23 Oct 2019 17:09

Tgt Ion: 59 Resp: 528
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 1.574 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000386.D

Acq: 23 Oct 2019 17:09

Instrument :

MSVOA_Y

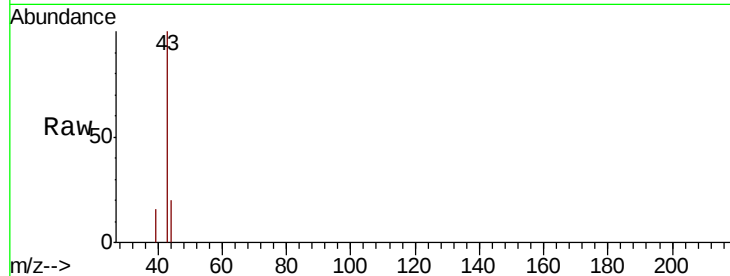
ClientSampleId :

Tot Ion: 43 Resp: 984

Ion Ratio Lower Upper

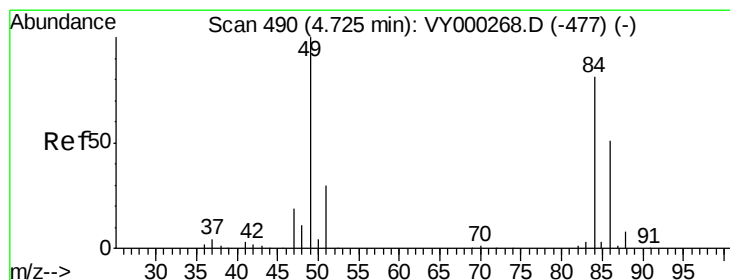
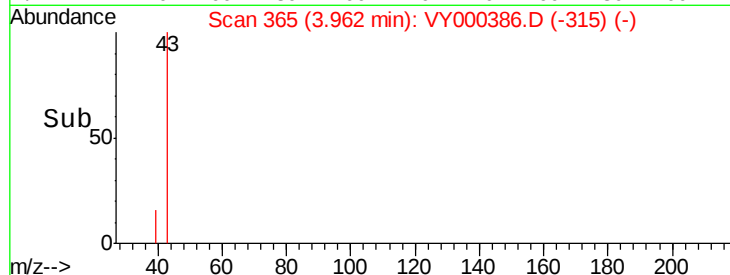
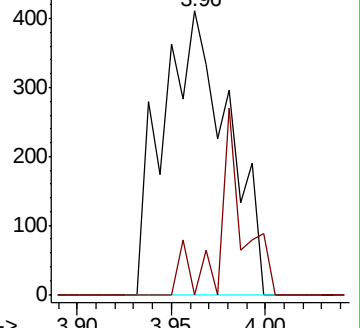
43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000386.D

Acq: 23 Oct 2019 17:09

Tgt Ion: 84 Resp: 585

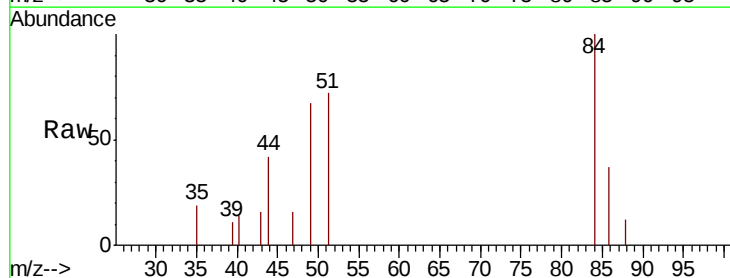
Ion Ratio Lower Upper

84 100

49 51.4 99.0 148.4#

51 71.5 29.3 43.9#

86 37.2 50.2 75.4#

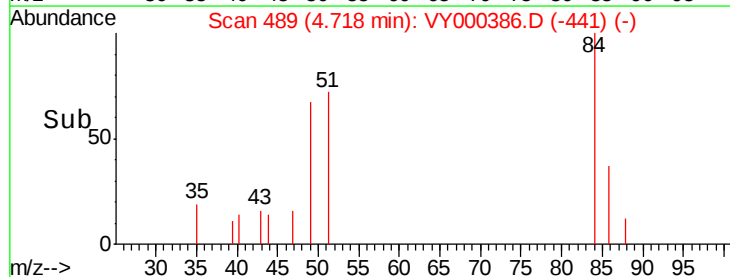
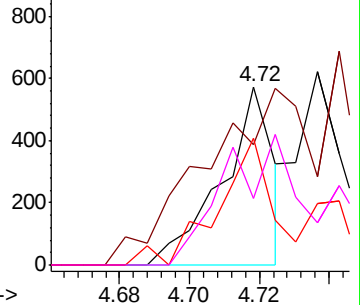


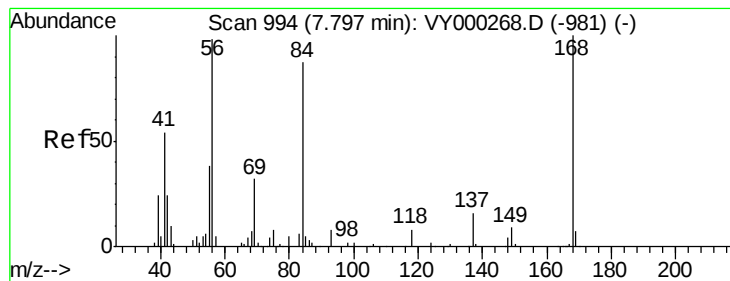
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#31

Cyclohexane

Concen: 1.041 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

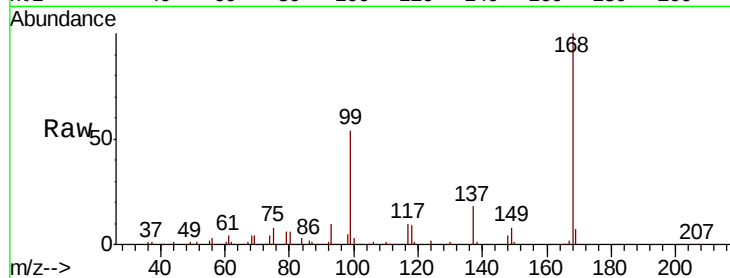
Lab File: VY000386.D

Acq: 23 Oct 2019 17:09

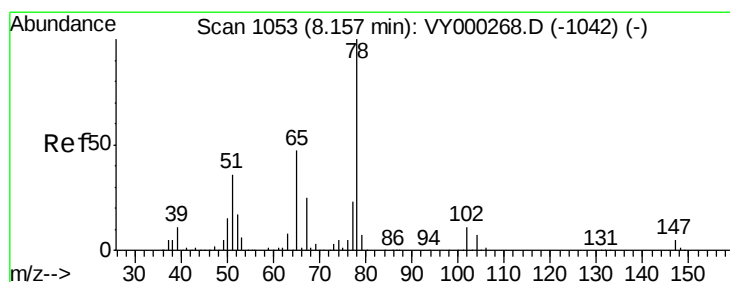
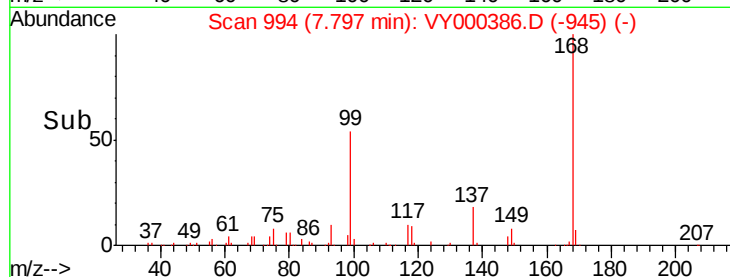
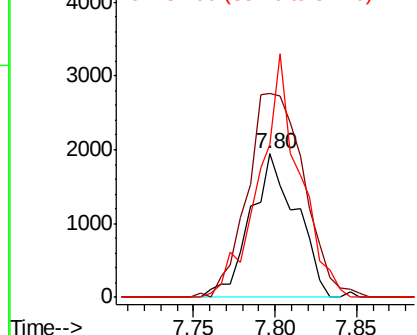
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 3843

Ion	Ratio	Lower	Upper
56	100		
69	141.7	26.3	39.5#
84	106.1	70.8	106.2



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 52.409 ug/l

RT: 8.16 min Scan# 1053

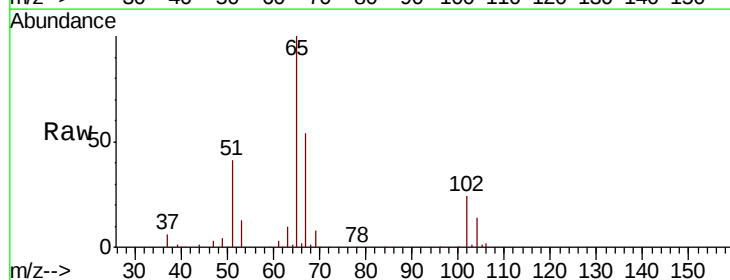
Delta R.T. -0.00 min

Lab File: VY000386.D

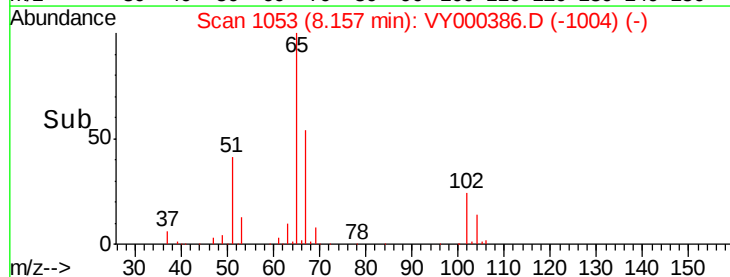
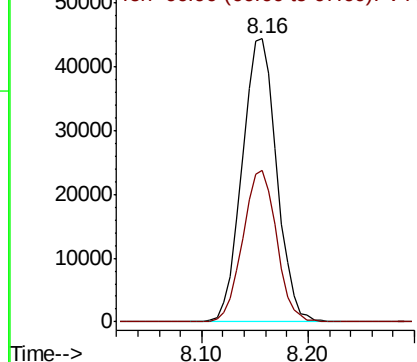
Acq: 23 Oct 2019 17:09

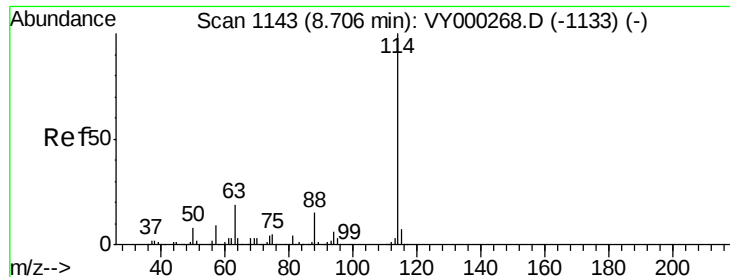
Tgt Ion: 65 Resp: 101141

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000386.D

Acq: 23 Oct 2019 17:09

Instrument :
MSVOA_Y
ClientSampleId :

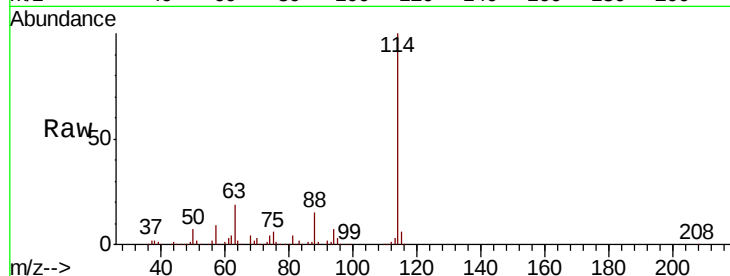
Tot Ion:114 Resp: 306610

Ion Ratio Lower Upper

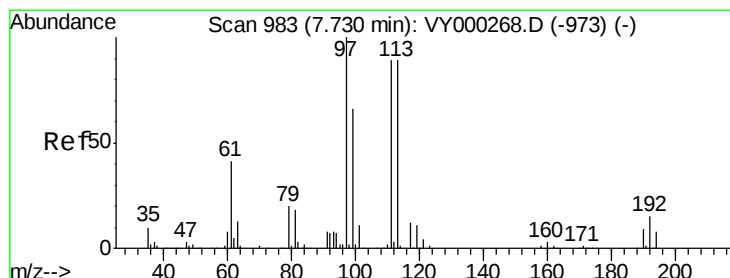
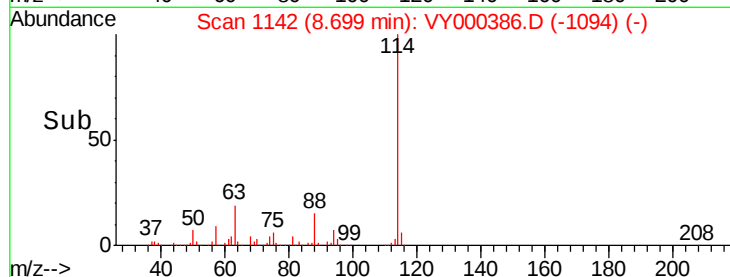
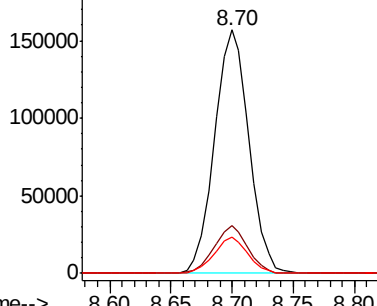
114 100

63 19.4 0.0 37.2

88 15.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 47.876 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000386.D

Acq: 23 Oct 2019 17:09

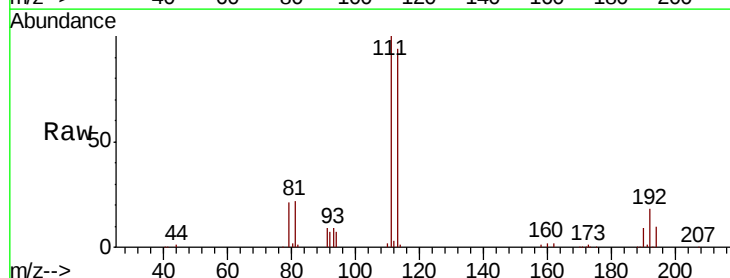
Tgt Ion:113 Resp: 88546

Ion Ratio Lower Upper

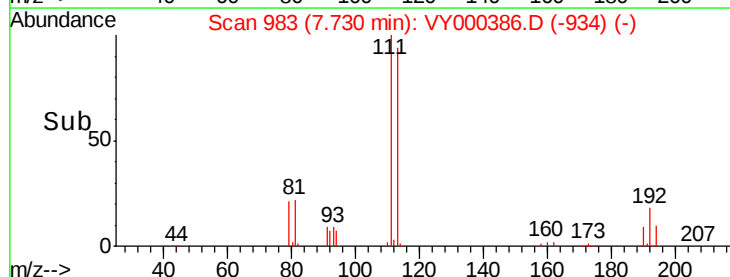
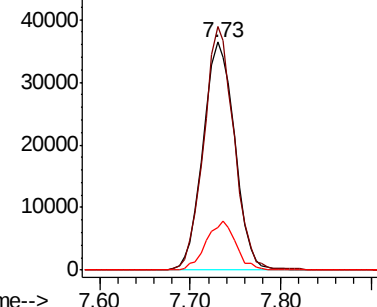
113 100

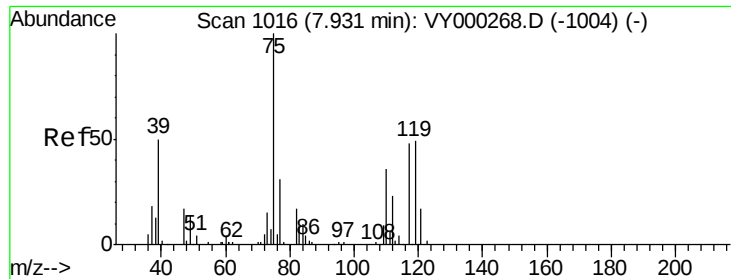
111 101.2 81.6 122.4

192 20.1 15.3 22.9



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

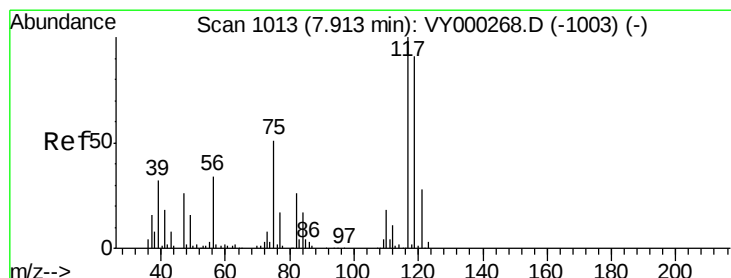
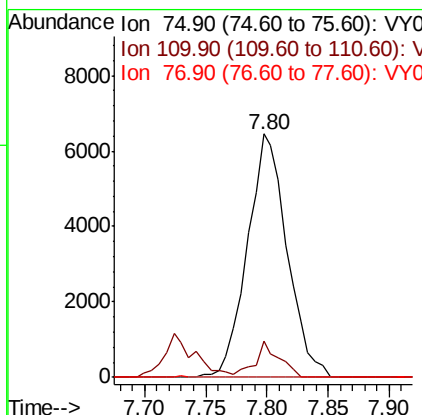
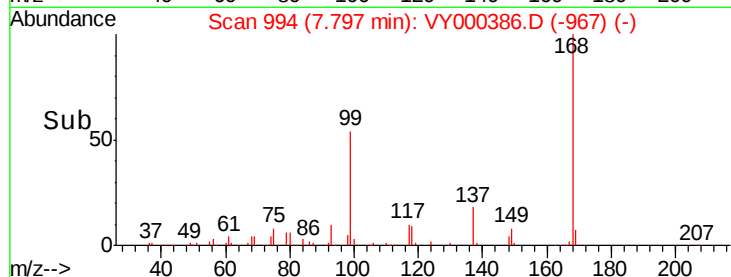
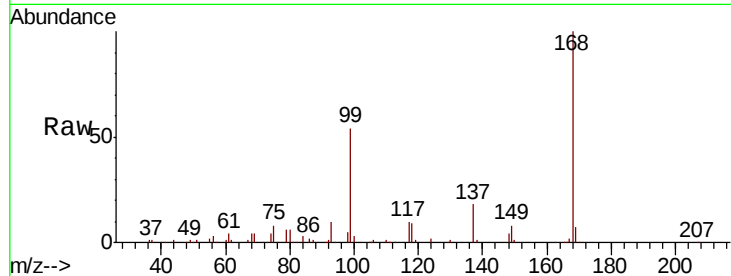




#36
 1,1-Dichloropropene
 Concen: 4.851 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000386.D
 Acq: 23 Oct 2019 17:09

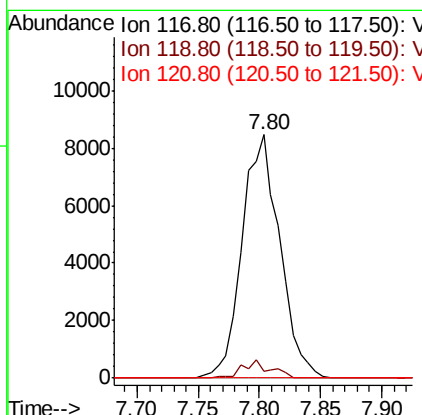
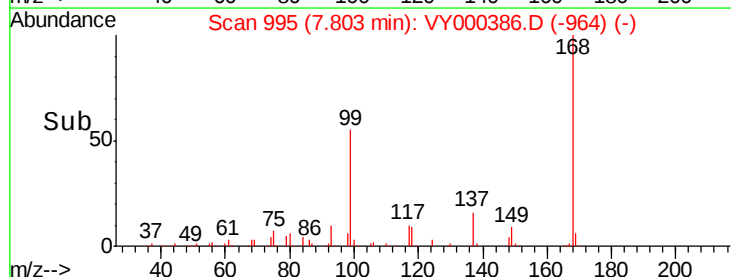
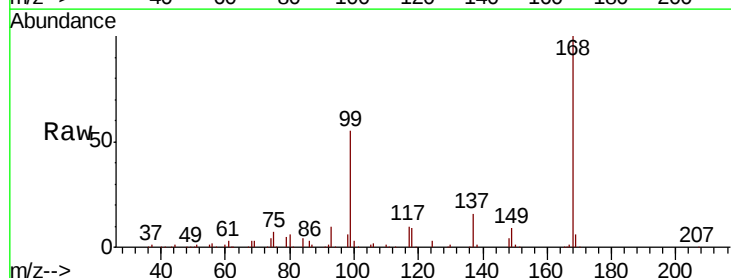
Instrument :
 MSVOA_Y
 ClientSampleId :

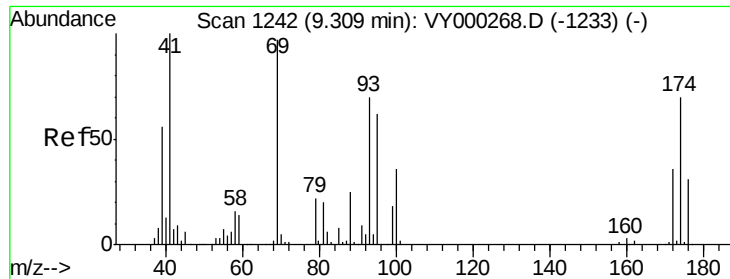
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.4	55.4#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.230 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000386.D
 Acq: 23 Oct 2019 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.9	72.8	109.2#
121	0.0	22.2	33.2#

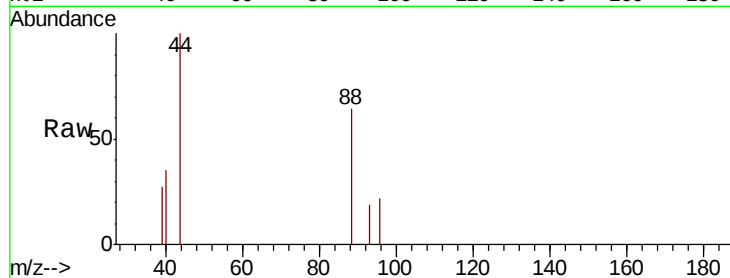




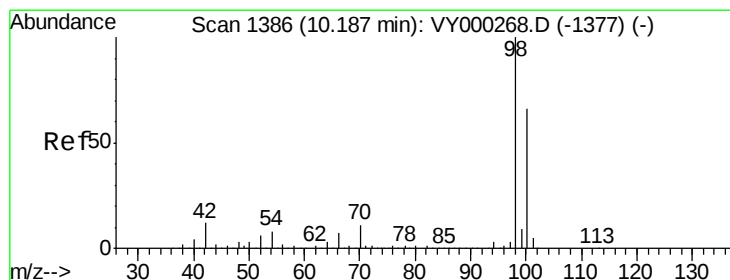
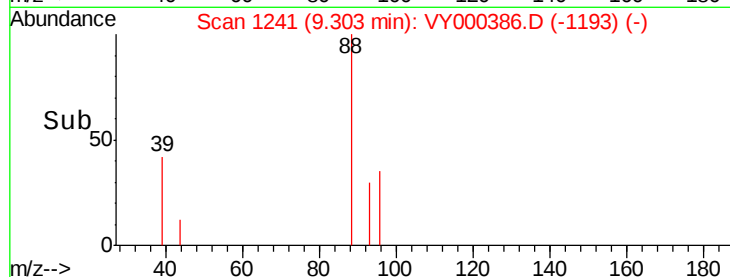
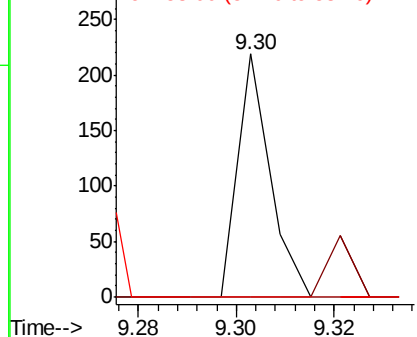
#49
1,4-Dioxane
Concen: 5.660 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000386.D
Acq: 23 Oct 2019 17:09

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 88 Resp: 101
Ion Ratio Lower Upper
88 100
43 19.8 25.6 38.4#
58 0.0 54.6 81.8#

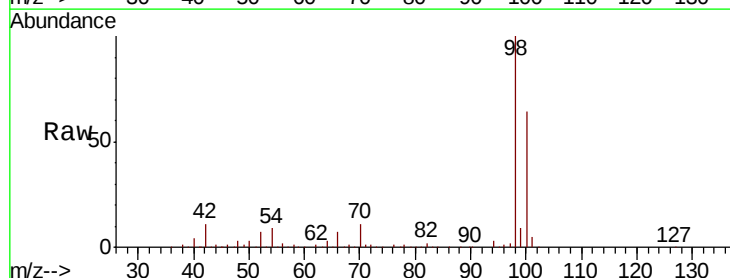


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

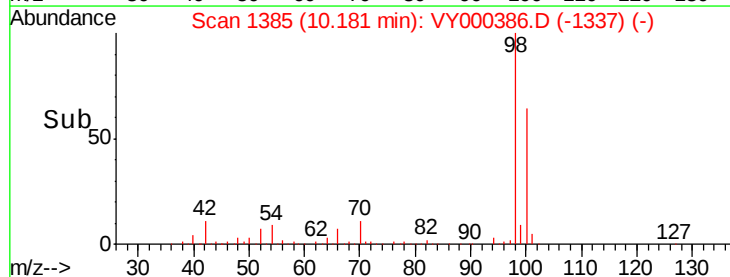
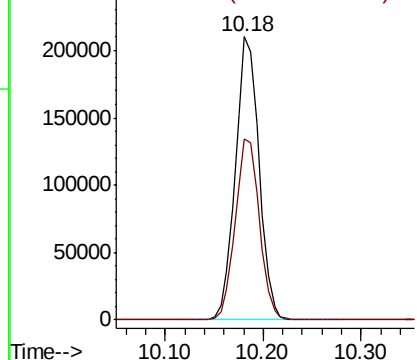


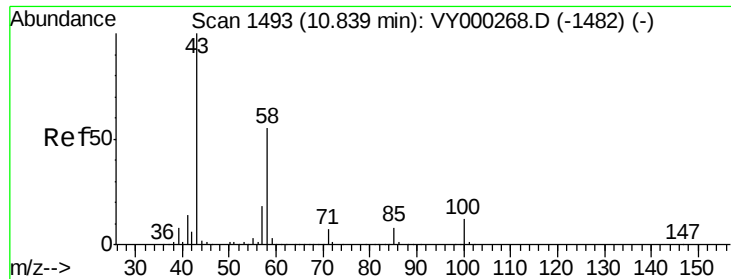
#50
Toluene-d8
Concen: 49.479 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000386.D
Acq: 23 Oct 2019 17:09

Tgt Ion: 98 Resp: 352020
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#59

2-Hexanone

Concen: 1.737 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VY000386.D

Acq: 23 Oct 2019 17:09

Instrument :

MSVOA_Y

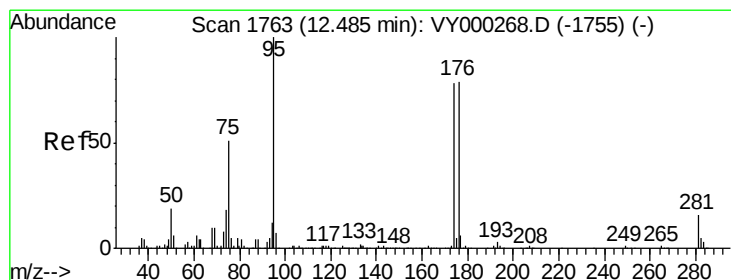
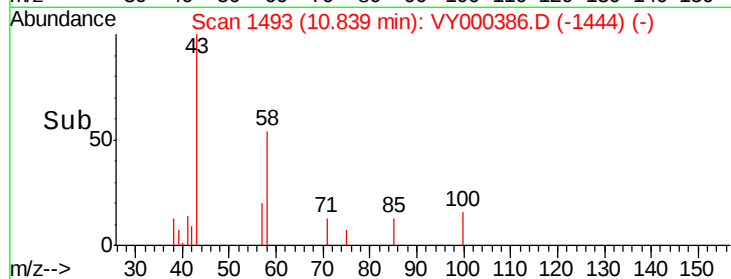
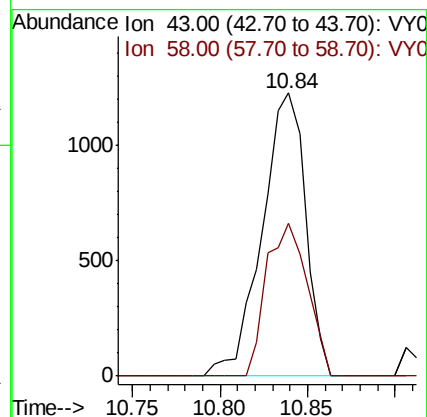
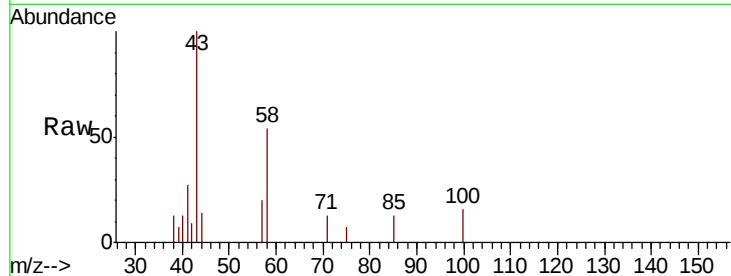
ClientSampleId :

Tot Ion: 43 Resp: 2125

Ion Ratio Lower Upper

43 100

58 50.8 27.7 83.1



#62

4-Bromofluorobenzene

Concen: 39.572 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000386.D

Acq: 23 Oct 2019 17:09

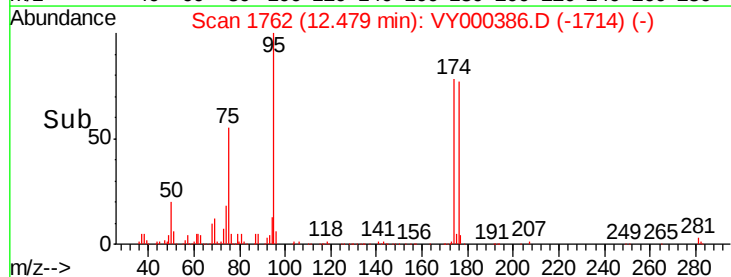
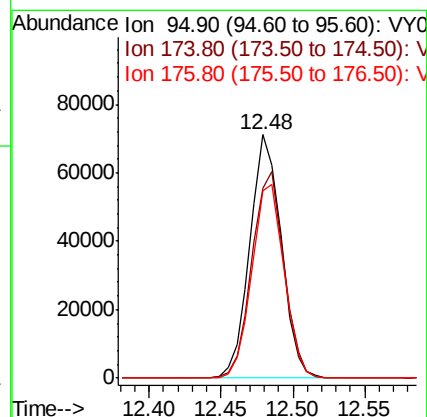
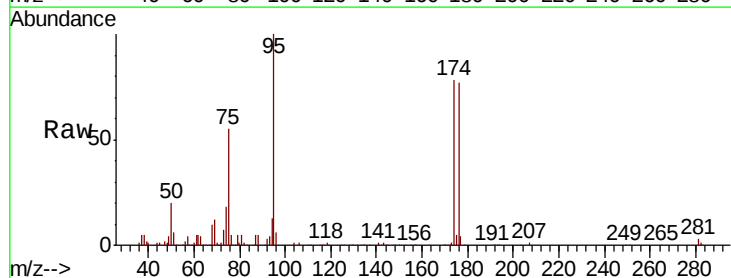
Tgt Ion: 95 Resp: 106960

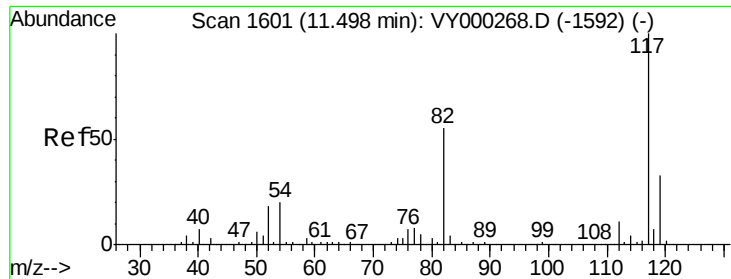
Ion Ratio Lower Upper

95 100

174 86.4 0.0 159.6

176 81.7 0.0 153.8

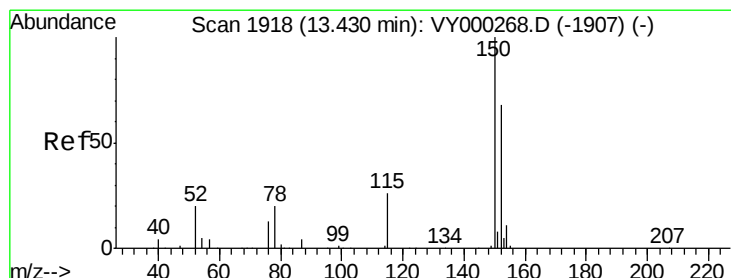
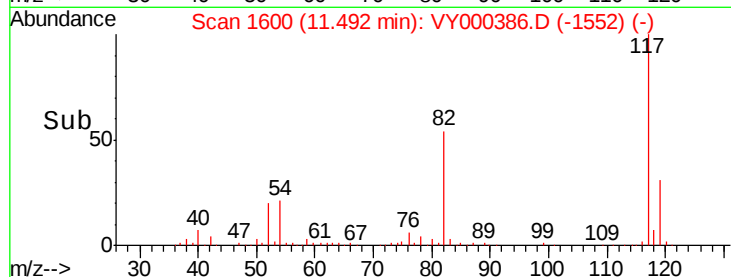
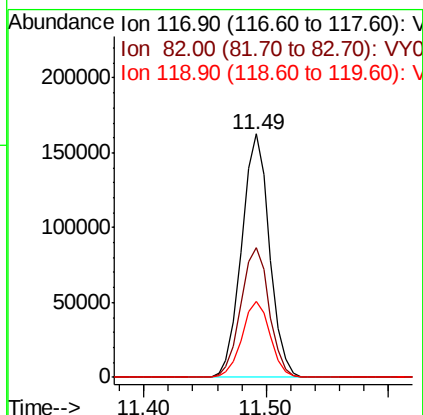
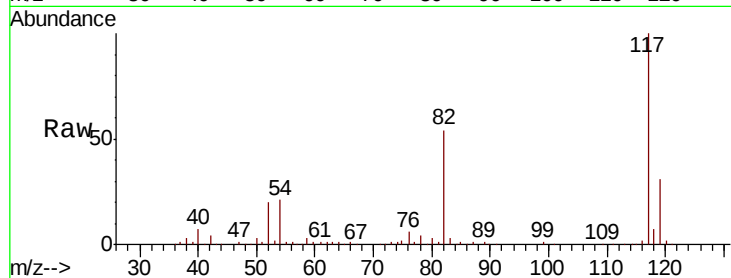




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000386.D
Acq: 23 Oct 2019 17:09

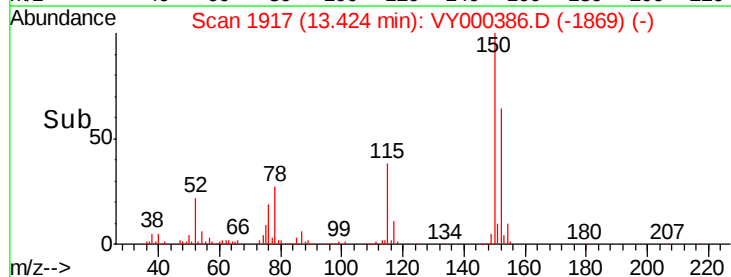
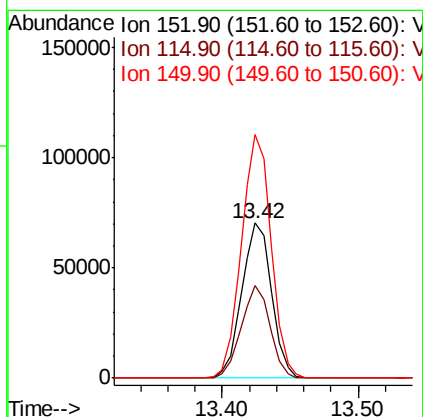
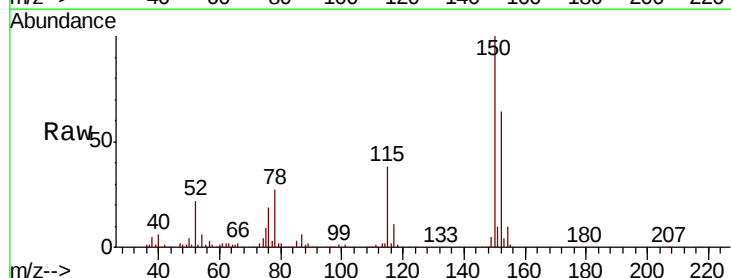
Instrument :
MSVOA_Y
ClientSampled :

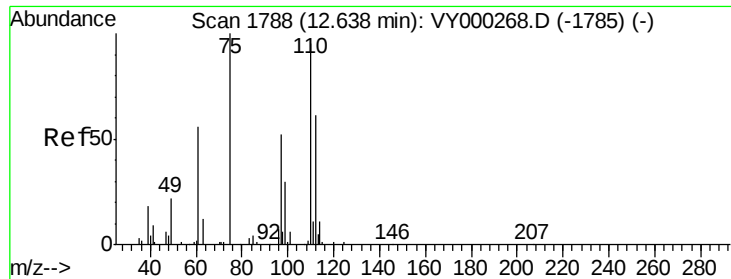
Tot Ion:117 Resp: 255813
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000386.D
Acq: 23 Oct 2019 17:09

Tgt Ion:152 Resp: 107342
Ion Ratio Lower Upper
152 100
115 58.0 29.3 88.0
150 156.9 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 43.700 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000386.D

Acq: 23 Oct 2019 17:09

Instrument :

MSVOA_Y

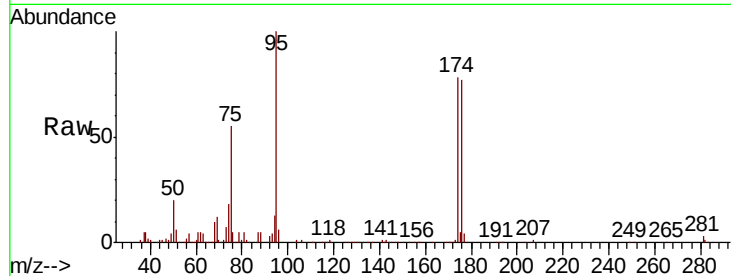
ClientSampleId :

Tot Ion: 75 Resp: 57682

Ion Ratio Lower Upper

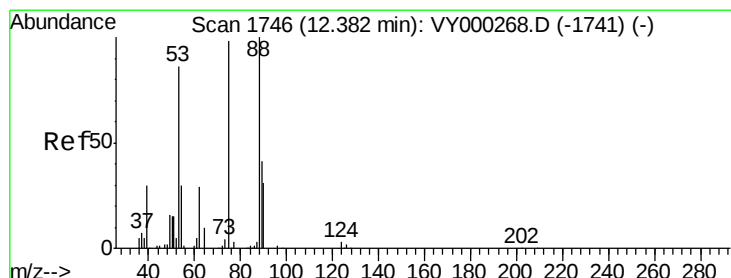
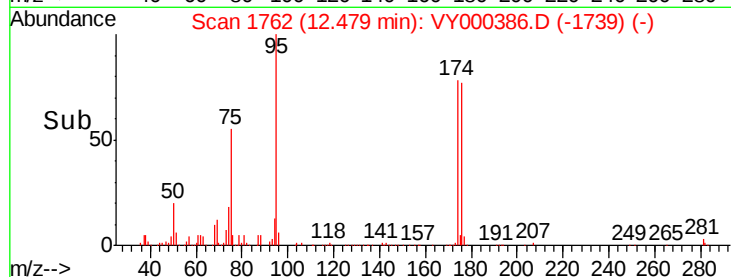
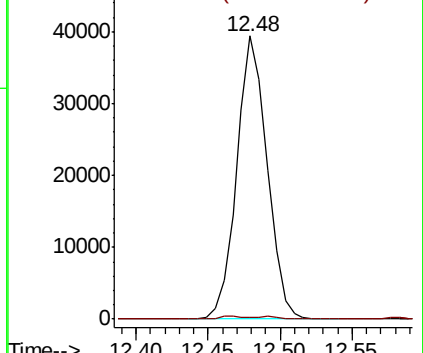
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 95.615 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000386.D

Acq: 23 Oct 2019 17:09

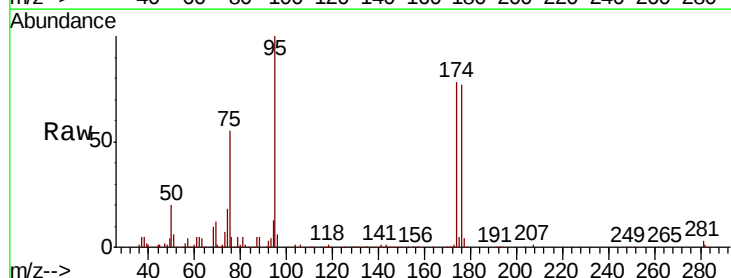
Tgt Ion: 75 Resp: 57682

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.1 35.1 52.7#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

